

Sygnus X-2



The Sygnus X-2 is the ultimate power supply for your audio system. With its advanced features, it takes your sound experience to unprecedented heights. Even the most exclusive audio equipment sounds spectacularly better. Choose the Sygnus X-2 and enjoy optimal performance: hear more details, experience a larger stage, sparkling highs without sharpness, fuller and more controlled lows, increased dynamics, and an almost tangible sound image. Upgrade today and experience your music like never before!

Pollution of the power grid can severely degrade the sound quality of your audio system. This rarely manifests in an obvious way, such as hum or other audible noise, but subtly hides in the background. This results in haze, excessive sharpness, limited dynamics, loss of musical details, and reduction of spatiality. Often, it is a combination of these unwanted effects. With the Sygnus X-2, you prevent mains pollution from affecting your sound reproduction. However, the Sygnus X-2 is much more than a mains filter; it is a revolutionary upgrade for your audio system.

Essential features

Power distributor	With 8 power outlets all your audio components are powered. This results in a central power supply and star Earth, reducing equalization currents.
Galvanic isolation	All 8 outputs are electrically isolated from the 230VAC mains, eliminating most of the common mode mains pollution.
Balanced output voltage	Two phases of 115VAC provide a balanced output voltage of 230VAC. As a result the differential mode pollution drains less current to the ground, resulting in a cleaner Earth for your audio system.
Input filters	The mains voltage is filtered with an adjustable input filter. This filter suppresses differential mode mains pollution and can be adjusted while the system is on, allowing you to hear the effect of a setting change directly. The filter has 4 positions for optimal tuning.
Output filters	Each output is equipped with a filter to suppress mains pollution by individual audio components. In addition, there is an adjustable output filter that works across all outputs and reduces both differential and common mode pollution. This filter has 4 positions and can be adjusted while the system is on.

System Earth

For optimal results, a separate System Earth can be connected, for instance using a ground rod. This allows the Protective Earth to be disconnected, so the audio equipment is only connected to its own dedicated System Earth. This setup prevents pollution from the safety Earth reaching the audio system.

Active Earth Conditioner

Since the Earth is used as an absolute reference, even the smallest pollution has a huge impact on sound quality. A separate System Earth is the first step in eliminating pollution, but the audio system itself also generates pollution. The Active Earth Conditioner removes this self-generated pollution that is drained to the Earth.

Plug polarity detector

When connecting to the power grid, Phase and Neutral must be connected correctly. The polarity detector signals an incorrect connection and prevents the device from being switched on.

Network isolator

The integrated 10/100 Base-T ethernet isolator ensures a galvanically isolated connection to the data network, preventing unwanted ground coupling via the network connection.

Adjustable LED color

The color of the indicator lights can be adjusted as desired. Available colours are: blue, cyan, white, green and yellow.



Safety features

Overvoltage protection

To minimize damage to connected audio components, the system is equipped with an overvoltage protection that switches off at too high a voltage.

Earth Leakage Circuit Breaker

Due to the galvanic isolation, the Earth Leakage Circuit Breaker in the fuse box does not respond to the ground fault current at the output. The built-in audiophile Earth Leakage Circuit Breaker prevents possible danger from leakage currents. The operation can be checked with a test button.

System Earth protection

When using a separate System Earth, a safety system compares the potential of the System Earth with the Protective Earth. If the voltage difference becomes too high, the system switches off to prevent damage or unsafe situations.

Standby after power failure

After a power failure, the system automatically switches to standby. This prevents damage from power surges or repeated switching on and off.

Overload protection

Overloading can lead to overheating of the system. While short-term overloading usually does not cause problems, the overload protection ensures that the device remains protected from damage.

Short-circuit protection

The system is equipped with a fuse that acts as short-circuit protection.

Specifications

Parameter	Minimum	Typical	Maximum	Unit
Electrical characteristics				
Max. constant output power		1000		VA
Efficiency		>96		%
Input voltage	117	230	253	VAC
No load voltage output		230		VAC
Full load voltage output		224		VAC
Input frequency	47	50/60	63	Hz
Inrush Current		<20		A
Connections				
Power input connector	IEC320-C13			
Output connectors	8x schuko (type E or type F)			
Earth connectors	4x gold plated banana 4mm			
Features				
Conversion	Galvanically isolated balanced output			
System Earth	Selectable disconnection of the protective earth			
Earth Conditioning	Selectable Active Earth noise reduction			
Input filter	Hot configurable LC filter – 4 settings			
Output filter	Hot configurable LC Filter – 4 settings			
Power input Polarity Detection	Force to standby when reversed			
Ethernet Isolator	10/100 Base-T RJ45 ports			
Electromagnetic shielding	Integrated shield & thick steel enclosure			
User selectable indicator colour	blue/cyan/white/green/yellow			
Protective measures				
Input fuse type	20x5mm cartridge fuse			
Input fuse specification	5AT / 500V / Breaking Capacity 1500A			
Overload protection	Thermal Switch			
Earth Leakage Circuit Braker (ELCB)		10		mARMS
Audio Earth voltage cut-off		20		Vtop
Over voltage cut-off		153		VAC
Standby after power outage		✓		
Integrate ELCB tester		✓		
General				
Dimensions (WxDxH)		430x400x127		mm
Weight		40		kg
Degree of protection		IP20		

